

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 03/04/2022 09:46 AM
Cytometer Baseline: 01/20/2022 09:34 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 32272 **Expiration Date:** 09/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124906	-1	1.62	124788	1.63
Blue	F	SSC	125000	123801	-1	3.08	124256	2.93
Blue	E	FITC	13602	13117	-4	2.42	365	13.79
Blue	D	PE	24891	24641	-2	1.83	582	10.46
Blue	B	PerCP-Cy5-5	33972	32963	-3	3.58	933	15.30
Blue	A	PE-Cy7	22865	22845	-1	8.46	473	32.40
Red	C	APC	47198	46868	-1	3.22	1606	11.68
Red	A	APC-Cy7	26454	25620	-4	8.93	703	16.36
Violet	B	V450	6737	6550	-3	3.68	445	11.85
Violet	A	V500	29317	28160	-4	3.13	954	8.28

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24160	2.87	539	4	N/A	N/A	Pass
Blue	F	SSC	55502	2.17	520	-1	N/A	N/A	Pass
Blue	E	FITC	55	57.02	488	4	0.0433	202	Pass
Blue	D	PE	113	38.92	492	6	0.4167	316	Pass
Blue	B	PerCP-Cy5-5	145	43.18	584	5	0.0194	94	Pass
Blue	A	PE-Cy7	77	83.56	633	12	0.0208	2	Pass
Red	C	APC	336	25.76	574	2	0.0277	151	Pass
Red	A	APC-Cy7	130	38.09	556	5	0.0046	550	Pass
Violet	B	V450	74	50.77	449	-1	0.0563	2504	Pass
Violet	A	V500	109	32.95	467	-2	0.0268	1137	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 03/04/2022 09:46 AM
Cytometer Baseline: 01/20/2022 09:34 AM
P/F: Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.38	-32.10	1.02
Blue	20.34	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.42
Red	16.19	13.90 - 20.86	N/A	N/A	30.49	30.72	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10159

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments